

What is claimed is:

1 1. A device for cooling a CPU chip disposed on a chassis
2 comprising:

3 a heat sink disposed on the CPU chip;

4 a bracket, having at least one pivot portion and at least
5 one retention portion, pivotally disposed on the chassis by
6 the pivot portion; and

7 a fan disposed on the bracket, wherein the fan is
8 adjacent to the heat sink when the bracket engages with the
9 chassis by the retention portion, and the fan is away from
10 the heat sink when the retention portion of the bracket does
11 not engage with the chassis.

1 2. The device as claimed in claim 1, wherein the chassis
2 is provided with at least one pivot recess and at least one
3 retention recess, and the pivot portion is provided with at
4 least one pivot post corresponding to the pivot recess, and
5 the retention portion is provided with at least one retention
6 post corresponding to the retention recess.

1 3. The device as claimed in claim 1, wherein the bracket
2 is provided with at least one first engaging portion, and the
3 fan is provided with a second engaging portion corresponding
4 to the first engaging portion.

1 4. The device as claimed in claim 3, wherein the first
2 engaging portion comprises:

3 at least one raised pad integrally formed on the bracket;
4 and

5 at least one locator post integrally formed on the raised
6 pad.

1 5. The device as claimed in claim 4, wherein the second

2 engaging portion comprises at least one locator recess
3 corresponding to the locator post.

1 6. The device as claimed in claim 1, wherein the bracket
2 is provided with at least one retaining hook for retaining
3 the fan in position.

1 7. A fan assembly for cooling a CPU chip disposed on a
2 chassis comprising:

3 *Sub*
4 *PR* a bracket, having at least one pivot portion and at least
5 one retention portion, pivotally disposed on the chassis by
6 the pivot portion; and

7 a fan disposed on the bracket, wherein the fan is
8 adjacent to the CPU chip when the bracket engages with the
9 chassis by the retention portion, and the fan is away from
10 the CPU chip when the retention portion of the bracket does
not engage with the chassis.

1 8. The fan assembly as claimed in claim 7, wherein the
2 chassis is provided with at least one pivot recess and at least
3 one retention recess, and the pivot portion is provided with
4 at least one pivot post corresponding to the pivot recess,
5 and the retention portion is provided with at least one
6 retention post corresponding to the retention recess.

1 9. The fan assembly as claimed in claim 7, wherein the
2 bracket is provided with at least one first engaging portion,
3 and the fan is provided with a second engaging portion
4 corresponding to the first engaging portion.

1 10. The fan assembly as claimed in claim 9, wherein the
2 first engaging portion comprises:

3 at least one raised pad integrally formed on the bracket;

4 and
5 at least one locator post integrally formed on the raised
6 pad.

1 11. The fan assembly as claimed in claim 10, wherein the
2 second engaging portion comprises at least one locator recess
3 corresponding to the locator post.

1 12. The fan assembly as claimed in claim 7, wherein the
2 bracket is provided with at least one retaining hook for
3 retaining the fan in position.

1 13. A fan assembly comprising:
2 a bracket having at least one first engaging portion and
3 at least one retaining hook; and
4 a fan, having a second engaging portion corresponding
5 to the first engaging portion, disposed on the bracket by the
6 retaining hook and the engagement of the first engaging
7 portion and the second engaging portion.

1 14. The fan assembly as claimed in claim 13, wherein the
2 first engaging portion comprises:
3 at least one raised pad integrally formed on the bracket;
4 and
5 at least one locator post integrally formed on the raised
6 pad.

1 15. The fan assembly as claimed in claim 14, wherein the
2 second engaging portion comprises at least one locator recess
3 corresponding to the locator post.

1 16. A bracket pivotally fixed within a chassis for
2 securing a cooling fan, comprising:

3 a pivot post positioned on a side wall of the bracket
and being installed within a pivot recesses of the chassis;

6 a retention portion, for engaging the bracket with the
chassis;

7 at least one locator disposed on the predetermined
8 position to fit a locator recess of the fan; and

9 a through hole, formed at the center portion of the
10 bracket.

1 17. The bracket as claimed in claim 16, wherein the
2 bracket is provided with at least one retaining hook for
3 retaining the fan in position.

1 18. The bracket as claimed in claim 16, wherein the
2 bracket further comprises at least one raised pad integrally
3 formed on the bracket.